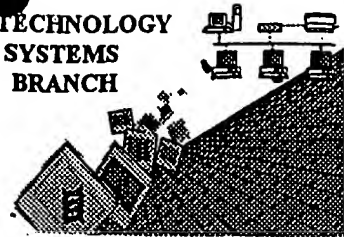




BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/9/4 454 A

Source:

PCT09

Date Processed by STIC:

6/12/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Mail this copy with 9/16 Notice



Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/914,454</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>✓</u> _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	



PCT0

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/914,454A

DATE: 07/05/2002

TIME: 15:39:27

Input Set : N:\Crif3\06122002\I914454.raw

Output Set: N:\CRF3\07052002\I914454A.raw

Does Not Comply
Corrected Diskette Needed

1 <110> APPLICANT: Chiron SpA
W--> 2 <110> APPLICANT: GRANDI Guido
W--> 3 <110> APPLICANT: RAPPUOLI Rino
W--> 4 <110> APPLICANT: GIULIANI Marzia Monica
W--> 5 <110> APPLICANT: PIZZA Mariagrazia
6 <120> TITLE OF INVENTION: ENHANCEMENT OF BACTERICIDAL ACTIVITY OF NEISSERIA ANTIGENS
WITH
7 OLIGONUCLEOTIDES CONTAINING CG MOTIFS
8 <130> FILE REFERENCE: P023888WO
9 <140> CURRENT APPLICATION NUMBER: US/09/914,454A
10 <141> CURRENT FILING DATE: 2002-03-22
11 <150> PRIOR APPLICATION NUMBER: US-60/121,792
W--> 12 <151> PRIOR FILING DATE: 26/02/1999
13 <160> NUMBER OF SEQ ID NOS: 34
14 <170> SOFTWARE: SeqWin99

*delete multiple
<110's only one is re
1999-02-26 G use this format
dates*

ERRORED SEQUENCES

304 <210> SEQ ID NO: 31
305 <211> LENGTH: 442
306 <212> TYPE: PRT
307 <213> ORGANISM: Neisseria meningitidis
308 <400> SEQUENCE: 31
309 Met Lys Lys Tyr Leu Phe Arg Ala Ala Leu Tyr Gly Ile Ala Ala Ala
310 1 5 10 15
311 Ile Leu Ala Ala Cys Gln Ser Lys Ser Ile Gln Thr Phe Pro Gln Pro
312 20 25 30
313 Asp Thr Ser Val Ile Asn Gly Pro Asp Arg Pro Val Gly Ile Pro Asp
314 35 40 45
315 Pro Ala Gly Thr Thr Val Gly Gly Gly Ala Val Tyr Thr Val Val
316 50 55 60
317 Pro His Leu Ser Leu Pro His Trp Ala Ala Gln Asp Phe Ala Lys Ser
318 65 70 75 80
319 Leu Gln Ser Phe Arg Leu Gly Cys Ala Asn Leu Lys Asn Arg Gln Gly
320 85 90 95
321 Trp Gln Asp Val Cys Ala Gln Ala Phe Gln Thr Pro Val His Ser Phe
322 100 105 110
323 Gln Ala Lys Gln Phe Phe Glu Arg Tyr Phe Thr Pro Trp Gln Val Ala
324 115 120 125
325 Gly Asn Gly Ser Leu Ala Gly Thr Val Thr Gly Tyr Tyr Glu Pro Val
326 130 135 140
327 Leu Lys Gly Asp Asp Arg Arg Thr Ala Gln Ala Arg Phe Pro Ile Tyr
328 145 150 155 160

441 shown (p. 2)



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/914,454A

DATE: 07/05/2002

TIME: 15:39:27

Input Set : N:\CrF3\06122002\I914454.raw

Output Set: N:\CRF3\07052002\I914454A.raw

329	Gly	Ile	Pro	Asp	Asp	Phe	Ile	Ser	Val	Pro	Leu	Pro	Ala	Gly	Leu	Arg
330				165					170						175	
331	Ser	Gly	Lys	Ala	Leu	Val	Arg	Ile	Arg	Gln	Thr	Gly	Lys	Asn	Ser	Gly
332				180					185					190		
333	Thr	Ile	Asp	Asn	Thr	Gly	Gly	Thr	His	Thr	Ala	Asp	Leu	Ser	Arg	Phe
334			195					200					205			
335	Pro	Ile	Thr	Ala	Arg	Thr	Thr	Ala	Ile	Lys	Gly	Arg	Phe	Glu	Gly	Ser
336		210					215					220				
337	Arg	Phe	Leu	Pro	Tyr	His	Thr	Arg	Asn	Gln	Ile	Asn	Gly	Gly	Ala	Leu
338	225					230					235					240
339	Asp	Gly	Lys	Ala	Pro	Ile	Leu	Gly	Tyr	Ala	Glu	Asp	Pro	Val	Glu	Leu
340				245						250					255	
341	Phe	Phe	Met	His	Ile	Gln	Gly	Ser	Gly	Arg	Leu	Lys	Thr	Pro	Ser	Gly
342				260						265				270		
343	Lys	Tyr	Ile	Arg	Ile	Gly	Tyr	Ala	Asp	Lys	Asn	Glu	His	Pro	Tyr	Val
344			275					280					285			
345	Ser	Ile	Gly	Arg	Tyr	Met	Ala	Asp	Lys	Gly	Tyr	Leu	Lys	Leu	Gly	Gln
346		290					295					300				
347	Thr	Ser	Met	Gln	Gly	Ile	Lys	Ser	Tyr	Met	Arg	Gln	Asn	Pro	Gln	Arg
348	305					310					315					320
349	Leu	Ala	Glu	Val	Leu	Gly	Gln	Asn	Pro	Ser	Tyr	Ile	Phe	Phe	Arg	Glu
350				325						330					335	
351	Leu	Ala	Gly	Ser	Ser	Asn	Asp	Gly	Pro	Val	Gly	Ala	Leu	Gly	Thr	Pro
352				340					345					350		
353	Leu	Met	Gly	Glu	Tyr	Ala	Gly	Ala	Val	Asp	Arg	His	Tyr	Ile	Thr	Leu
354			355					360					365			
355	Gly	Ala	Pro	Leu	Phe	Val	Ala	Thr	Ala	His	Pro	Val	Thr	Arg	Lys	Ala
356		370					375					380				
357	Leu	Asn	Arg	Leu	Ile	Met	Ala	Gln	Asp	Thr	Gly	Ser	Ala	Ile	Asp	Gly
358	385					390					395					400
359	Ala	Val	Arg	Val	Asp	Tyr	Phe	Trp	Gly	Tyr	Gly	Asp	Glu	Ala	Gly	Glu
360				405						410					415	
361	Leu	Ala	Gly	Lys	Gln	Lys	Thr	Thr	Gly	Tyr	Val	Trp	Gln	Leu	Leu	
362				420					425					430		
363	Pro	Asn	Gly	Met	Lys	Pro	Glu	Tyr	Arg	Pro						
E--> 364				435 435				440 440								

misaligned amino acid
numbering - see item 3 on Error
Summary Sheet



RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/914,454A

DATE: 07/05/2002
TIME: 15:39:28

Input Set : N:\Crf3\06122002\I914454.raw
Output Set: N:\CRF3\07052002\I914454A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/914,454A

DATE: 07/05/2002

TIME: 15:39:28

Input Set : N:\Crf3\06122002\I914454.raw

Output Set: N:\CRF3\07052002\I914454A.raw

L:2 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:3 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:4 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:5 M:280 W: Numeric Identifier already exists, <110> found multiple times
L:12 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:364 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:31
L:364 M:252 E: No. of Seq. differs, <211> LENGTH:Input:442 Found:441 SEQ:31